

Scenario Worksheet

Practice and Scenario Description:

| Information Type | Data |
|--------------------|--------------------------|
| Region | Delta States |
| State | Louisiana |
| Discipline Group | Agronomy |
| Practice Code/Name | 327 - Conservation Cover |
| Scenario ID | 5 |
| Scenario Name | Organic Introduced Mix |

| | |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scenario Description | This practice applies on organically managed land needing permanent protective cover. This practice typically involves conversion from an intensive organic cropping system to permanent non-native vegetation (scenario includes non-native grass/legume mix). The typical size of the practice is 20 acres. This practice scenario is typically used to reduce soil erosion, reduce soil quality degradation, improve water quality, develop wildlife habitat, and reduce air quality impacts. |
| Before Practice Situation | Crops such as vegetables and small fruit crops are organically grown and harvested. Full width tillage is utilized, weeds controlled mainly by cultivation. Soil surface residue amounts average 10% or less. Soil erosion occurs with visible rills present, sediment may be moving offsite into surface water degrading water quality. Soil quality (soil organic matter) declines over time as a result of tillage practices, low residue, and long periods of bare soil. Air quality may be impacted during field operations by the creation of particulates. The system provides little to no wildlife habitat. |
| After Practice Situation | Organically managed land covered with permanent non-native grass/legume mix vegetation has reduced soil erosion, reduced water/sediment runoff, and significant dust emissions are eliminated therefore, air quality is improved. Plants sown for conservation cover may provide cover for beneficial insects and wildlife. This scenario does not apply to plantings for forage production or to critical area plantings. |
| Scenario Feature Measure | Area planted |
| Scenario Unit | Acre |
| Scenario Typical Size | 20 |

Cost Summary:

| Cost Category | Scenario Cost | Scenario Cost/Unit |
|------------------------------------|---------------|--------------------|
| Materials | \$7,947.60 | \$397.38 |
| Equipment/Installation | \$1,631.80 | \$81.59 |
| Labor | \$0.00 | \$0.00 |
| Mobilization | \$0.00 | \$0.00 |
| Acquisition of Technical Knowledge | \$0.00 | \$0.00 |
| Foregone Income | \$0.00 | \$0.00 |
| Total | \$9,579.40 | \$478.97 |

Cost Details:

| Cost Category | Component ID | Component Name | Component Description | Unit | Price (\$/unit) | Quantity | Cost |
|------------------------|--------------|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------|-----------------|----------|------------|
| Materials | 102 | Certified Organic, Smooth Bromegrass (Bromus inermis) | Introduced Perennial Grasses and shipping. | Pound | \$4.41 | 80 | \$352.80 |
| Materials | 100 | Certified Organic, Orchard Grass (Dactylis glomerata) | Introduced Perennial Grasses and shipping. | Pound | \$5.02 | 40 | \$200.80 |
| Materials | 114 | Certified Organic, Alfalfa (Medicago sativa) | Introduced Legumes and shipping. | Pound | \$4.38 | 80 | \$350.40 |
| Materials | 268 | Potassium, Organic | ORGANIC Potassium | Pound | \$1.32 | 800 | \$1,056.00 |
| Materials | 267 | Phosphorus, Organic | ORGANIC Phosphorus | Pound | \$2.99 | 1000 | \$2,990.00 |
| Materials | 117 | Certified Organic, Red Clover (Trifolium pratense) | Introduced Legumes and shipping. | Pound | \$8.46 | 60 | \$507.60 |
| Materials | 266 | Nitrogen, Organic | ORGANIC Nitrogen | Pound | \$2.49 | 1000 | \$2,490.00 |
| Equipment/Installation | 945 | Tillage, Light | Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs. | Acre | \$8.86 | 60 | \$531.60 |
| Equipment/Installation | 950 | Fertilizer, ground application, dry bulk | Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs. | Acre | \$6.33 | 20 | \$126.60 |
| Equipment/Installation | 957 | Mechanical weed control, Vegetation termination | Mechanical operations, Includes: Roller/crimper, mower, shredder, etc. Includes equipment, power unit and labor costs. | Acre | \$17.89 | 40 | \$715.60 |
| Equipment/Installation | 960 | Seeding Operation, No Till/Grass Drill | No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs. | Acre | \$12.90 | 20 | \$258.00 |